

~~CONFIDENTIAL~~
S-E-C-R-E-TCPL 7-028
8 October 1957

MINUTES

Research, Development and Production Review Board

Meeting number 72 of the Research, Development and Production Review Board was held in Room 2035 "I" Building at 1430 hours on 2 October 1957. The following persons were in attendance:

25X1A

minutes
I. Old Business

1. The minutes of meeting number 71 were approved as written.

II. New Business

25X1A

25X1A

1. [REDACTED] who has been serving as the Acting Chairman to the Board, announced that [REDACTED] would be taking over as Chairman at the next RAD Board meeting. *ch*

2. The undersigned was instated as Recording Secretary to the Board and will act in this capacity for as yet an undetermined period of time. *ch*

3. Discussion on the possibility of improvement of TA-1

25X1C

[REDACTED]

the TA-1 but inquired about improvements, suggesting the following:
a) 10-position frequency selector switch, b) a push button-type keyer, and c) a magnetic tape attachment.

- b. The Board agreed that Communications has an obligation to provide what the Area Divisions need in order to get their jobs done.

~~CONFIDENTIAL~~
S-E-C-R-E-T

~~S-E-C-R-E-T~~

- 2 -

25X1A c. After considerable discussion on the improvements to the TA-1 proposed by [REDACTED] and a possible keyer for the TA-1, it was decided that:

25X1A (1) The Operations and Training Division would get together with the [REDACTED] requirements in "black and white." ERB

(2) The Operations and Training Division would then check these requirements out with the FI Division.

(3) The Engineering Division then "takes the ball" and decides how or if these requirements can be fulfilled.

25X1A d. In this connection, [REDACTED] moved and it was passed, that the Research and Development Branch of the Engineering Division survey whatever sources necessary and/or available to develop a miniature keyer to be used with the TA-1. ?

25X1A e. [REDACTED] moved that the Engineering Division be given the authority to develop miniature equipment on a time-available basis. It was decided, however, that this authority was not necessary. J

4. Brains of the Nation

25X1A a. [REDACTED] stated that several of the committees which have been with us recently have mentioned the idea of our coming to them with some of our seemingly unsolvable problems. This idea was "kicked around" with favorable comments coming from all sides of the table. However, no action or motions were put forth at this time. J

5. Status of Active R&D Projects

a. High-speed Agent Set, RS-16A. Two prototype RS-16A agent sets received during September from [REDACTED] are being evaluated. 25X1A

b. Agent Radio Station, RS-11. [REDACTED] has delivered 24 of the 28 RS-11 prototypes and the remaining 4 with all instruction manuals are expected shortly, after which this contract will be terminated. Ten RP-11 AC power supplies have been received and are undergoing tests at the R&D Laboratory. Delivery in full has been made [REDACTED] of all prototypes purchased by them. 25X1A

~~S-E-C-R-E-T~~

~~S-E-C-R-E-T~~

- 3 -

c. Infrared Communications Devices.

(1) An R&D Laboratory evaluation of prototypes of the IS-2 flashlight infrared set is being conducted.

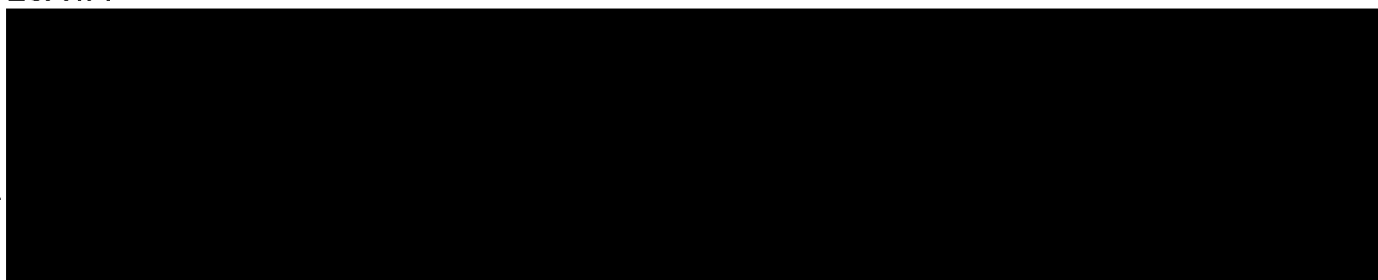
25X1A (2) Six IS-3 wide angle IR transceivers have been delivered by the [REDACTED]. A laboratory evaluation will begin upon receipt of the instruction manuals and engineering drawings.

25X1A (3) Ten IS-4 [REDACTED] briefcase units have been received at [REDACTED]. They will be released for field use following a laboratory report on correct battery forming procedures.

(4) A twelve month TSS contract for IS-5 production will be awarded in two or three weeks. One hundred sets will be procured, on the basis of a possible Air Force requirement.

25X1A (5) The Signal Corps has advised that ten AR/PAC-2 Infrared telephones will be delivered shortly.

25X1A



25X1A

e. High-speed Point-to-point Communications System, AS-4. A complete AS-4 system is now being shipped by the contractor, it will be used along with the equipment now at [REDACTED], to establish a duplex AS-4 system between [REDACTED].

25X1A

25X1A f. Transistor Communications Receiver. The balance of the RR/BB-11 tuners are due from [REDACTED] in about two weeks. This shipment will complete delivery of hardware under this contract. The laboratory evaluation of these receivers has been completed. The R&D Branch proposes to obtain seven RR-D-11 (twin tuner) receivers for AS-3 use.

g. High-speed Agent to sub base Communications Set, RS-13E. The first prototype of the redesigned RS-13E will be ready about 15 October. The balance of forty sets is expected sixty days after our approval of the first prototype.

~~S-E-C-R-E-T~~

~~CONFIDENTIAL~~

~~S-E-C-R-E-T~~

- 4 -

h. Agent Automatic Station, AS-3. [REDACTED] has advised that the first AS-3 prototype will be delivered sixty days after engineering tests now underway are completed. It is hoped that the prototype target date of December 1957 will be met. 25X1A

25X1A

25X1A

i. Universal Modular Sub Assemblies. [REDACTED] This series of low power "building block" transmitters being built by the [REDACTED] has progressed to the engineering model stage. The contractor now anticipates delivery four to six months ahead of the scheduled completion date of May of 1959. 25X1A

j. 24-hour Breakdown Recorder, CB-5. Seven units have thus far been delivered, but the contract balance of five sets has been delayed due to motor problems. The operation of the CB-5 has thus far been quite satisfactory.

k. Special LF Miniature Receiver. The twelve units being produced under an interim production project have been delivered. This receiver has been very satisfactory.

25X1A

l. Airborne Collection System, CS-3. The contractor, [REDACTED] is conducting final system checks and is preparing an installation and operation manual. 25X1A

25X1A

m. Transistor Video Amplifier, VA-5. Ten preliminary models have been received from the [REDACTED] and will be evaluated prior to producing 170 additional VA-5's.

25X1A

[REDACTED]

25X1A

n. Carrier Bay, WR-1. A contract for the WR-1 has been awarded to the [REDACTED]. The task order is expected to be assigned by Logistics within four weeks.

p. TP-3. With possible exceptions of the motors, delivery of components and castings is on schedule and expected to be completed by November 1. Ten sets of modules and printed circuit boards for the first ten units are complete and the shop work is ahead of schedule. Delivery of a second prototype awaits decision on the motors.

q. Installation and Testing of the AS-4 Terminals. We have expended 34 man-weeks on this project.

~~S-E-C-R-E-T~~

~~CONFIDENTIAL~~

~~S-E-C-R-E-T~~

- 5 - **CONFIDENTIAL**

r. Multicoupler Filters. Thirteen units have been fabricated. There are no further commitments.

s. Variable Frequency Reference Oscillator. Within this period we have delivered one electric prototype for evaluation. Breadboard for the remodeled unit has been completed and fabrication of improved dial mechanism is awaiting parts.

t. Modification of TA-1. Two prototypes have been delivered.

u. Modification of TA-1 for A-3 Emission. Circuitry is complete and being packaged.

v. Modification of Stromberg Carlson Receiver. We are presently breadboarding the video and audio amplifier and the pulse stretcher designed for use with minifon recorder while we await characteristics of the new recorder.

w. Improvement of DF Characteristics of [REDACTED]. 25X1A
Prototype delivered to OSI for evaluation.

x. Noise Limiter for the RS-11. Design completed. Information forwarded to Headquarters.

y. Modification of PAMM Keyers. Two complete units modified and delivered. One awaiting modification in the laboratory.

The meeting was adjourned at 1630 hours.

[REDACTED]
Recording Secretary

25X1A

CONFIDENTIAL

~~S-E-C-R-E-T~~